

Vizio VTAB1008 Main PCB BOM

Location	Vendor	Part Number	Description
U1	Marvell	88AP610	MMP2 processor, 1GHz
U41, U42	Samsung	K4B2G1646C-HCH9	DDR3, 128Mx16
U30	Sandisk	SDIN5C2-4G	eMMC, 4Gbytes
U34	CyberTAN	NC024C	WLAN module
U37	ST		Accelerometer
U11	Toshiba	TC358764XBG	MIPI DSI/LVDS transcoder
U14		ABD U EN	? (near U11)
U32	CSR	SiRF GSD4T	GPS Receiver
U54		17042	10-pin battery gas gauge ?
U40		1Z04A	5-pin inverter
U36	Maxim	MAXQ610	IR controller (16b micro)
U46	Cirrus	CS42L73CWZ	Audio Codec
	Cirrus	CS48L10CWZ	Audio Amp
U10	Maxim	MAX8925	MMP2 Power Management IC
U17	Maxim	MAX8903	Battery Charger
U21	Maxim	MAX8952EWE	Vmain switching regulator
U18	?	6795 G 08N4G	8-pin switching regulator
U56	?	ODH	8-pin switching regulator
U12		OAR2HN	8-ball (power switch ?)
U49		HER	5-pin linear regulator, for WLAN
U50		HER	5-pin linear regulator, for GPS
U3		2GAD	backlight inverter
U4		B6AE	switching regulator for LCD
U15/U16		OAN2HN	ESD protection ?
U52		U1-1PG	power switch/regulator for HDMI
U38		Y529 107AT	16-pin BGA, near CN4
U45/47			9 ball bare dies near U46
L11		power inductor	(near U10)
5 x		1.0 uH power inductor	
1 x		2.2 uH power inductor	(near U10)
1x		power inductor	(near U18)
L9		power inductor	(near U3)
L25		2.2 uH power inductor	(near U4)
CN4			microSD socket, w. ejector
CN6			6 pin connector, to battery
CN8			40-pin male miniature bd/cable
CN15			mini HDMI connector
J29			mini USB OTG connector
J16			20-pin male miniature bd/cable
J24			2-pin
J28			10-pin male miniature bd/cable
1 x			40-pin male miniature bd/cable
J17, J18			RF connectors
Q19		AEBV	MOSFET in display pwr supply
Q17, Q18		ADEV	MOSFET in WLAN and disp. Pwr
Q24		P5t	RF switch ? In GPS RF
Q10, Q20-27		AECV	Power MOSFET
D64, Q2-Q4		KJG	Dual diode (near U56, U4)

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2 x		S4	schottky diode (near U10,CN8)
1 x		S5	schottky diode (near U18)
D8-D10, D12-D16		OS24P	8-wire ESD diodes (USB/HDMI)
D24, D25		LZ	schottky diode (near U3, U4)
D4		A2	diode (near U3)
X3		T260	26 MHz crystal (near U1)
X4		TQ27	27 MHz crystal (near U32)
X6		TAZOS	32.768 Khz crystal (near U10)
X2	SII	C1303	? (near U10)
X1		T120	? (near U36)